

ABSTRACT

Method and apparatus enabling worldwide reduction of carbon dioxide emissions and deforestation, earning emission credits, monetizing values of tradable emission rights/credits accruing from emissions avoided by using the apparatus to pay for the cost of the apparatus
5 and/or to provide ongoing revenue thereby inducing many people to substitute carbon containing fuels for cooking and/or electricity needs by a synergic combination of cooking 0 and electricity generation 21 on sunlight H through a low cost two-axis easy sun tracking mechanism including a bendable mirror 14 having variable curvatures r_m and tilt angles s_m , optimized for the solar altitudes α_s at the latitudes, seasons and day times from equator to
10 arctic, resulting in greatly augmented cooking power enabling high quality meals 0 through much shorter cooking times and longer/higher PV cell 21 outputs charging batteries 24 powering lights, refrigerator, television, computer, enabling worldwide education and sustainable development.